ABX Micros CRP200
For Rapid Patient Diagnosis

16 Parameters CBC with Simultaneous CRP Option
3 Part WBC Differential
Whole Blood Microsampling
Comprehensive Information Management
STAT Results
Hematology and Immunology on a Single Platform

A complete system designed to fit your needs.

- CRP measurement on Whole Blood
- Sampling on Primary tube in near patient locations
- "Minimal Daily Maintenance"
- 18 µL sampling volume for CBC + CRP
- 10 µL sampling volume for CBC
- Ideal for capillary collection (Pediatric and Oncology)
- 4 position tube holder (QC, 500 µL, 3 mL, 5 mL)
- Automatic sample probe cleaning
- Quiet operation
- STAT results
- Single button start-up and shutdown

Information Management

- Comprehensive patient data management
  - Patient history log
  - Cumulative Reporting
- QC data management
- Simple ordering of tests
- Maintenance log
- CLIA and HIPPA compliant
  * Easy to use tutorial guide
CBC and CRP
A concentration of technology

> CBC
Impedancemetry:
cells are counted and identified by volume
Red blood cells, hematocrit, platelets, white blood
cells, lymphocytes, monocytes, granulocytes.

Photometry
Hemoglobin

> CRP
Immunoturbidimetry

ABX CRP REA-R1
After RBC lysis, antigens remain in the solution

ABX CRP REA-R2
This specific buffer reagent inhibits all antigens, except C-Reactive protein.

ABX CRP REA-R3
Latex reagent affixes C-Reactive proteins around latex beads.

< Absorbance measurement
C-Reactive protein and Latex agglutination kinetics are measured by spectrophotometry through the optical part of the CRP chamber with a wavelength of 850nm. First measurement is performed after 20 sec, then every 10s for a total of 7 measurements.

Advantages of CRP combined with CBC
Accurate CRP result with hematocrit reading
Precision of CRP compared to ESR
More accurate information concerning inflammation
Ability to control antibiotic therapy
Ability to eliminate unnecessary antibiotic therapy

Therapeutic Decision-Making and Monitoring

PEDIATRICS
Determination of viral or bacterial origin:
> Antibiotic therapy, infectious disease, hospitalization, etc.

ONCOLOGY
Patient monitoring Chemotherapy:
> Infection in the presence of Leukopenia

RHEUMATOLOGY
> Monitoring anti-inflammation therapy

INTENSIVE CARE
Post-operative monitoring:
> Antibiotic therapy, transfusions, etc.

EMERGENCY SERVICES
Rapid patient diagnosis:
> Antibiotic therapy, transfusions, etc.
ABX Micros CRP200

**Technical Specifications**

**MEASUREMENT MODE:**
- **CBC Mode:** 16 parameters with graphics for RBC, PLT, and WBC populations. RBC, WBC, PLT, HGB, HCT, MCV, MCH, MCHC, MPV, RDW, Lymphocytes (% and #), Monocytes (% and #), Granylocytes (% and #).
- **CBC + CRP Mode:** 16 parameters & CRP

**PARAMETERS:**
- WBC, RBC, HGB, HCT, PLT, CRP (C-Reactive Protein)
- MCV, MCH, MCHC, RDW, MPV, LYM%, LYM#, MON%, MON#, GRA%, GRA#

**METHODOLOGIES:**
- WBC, RBC and PLT: Impedance
- HGB: Spectrophotometry (Cyanmethemoglobin method)
- CRP: Latex immuno turbidity rate method
- Calculations from stored data that was directly measured for HCT, MCV, MCH, MCHC, RDW, MPV

**SAMPLE VOLUME:**
- CBC mode: 10µL
- CBC + CRP mode: 18µL

**SAMPLE PROCESSING:**
- On open tube with 4 position tube holder
  (QC, 500 µL, 3 mL, 5 mL)

**THROUGHPUT ANALYSES:**
- CBC mode: Within 1 min 15 secs (48 samples/hour)
- CBC + CRP mode: Within 4 mins 30 secs (14 samples/hour)

**REAGENTS:**
- ABX Minidil LMG (10L)
- ABX Miniclean (1L)
- ABX Alphalyse 360 (0.36L)
- ABX CRP REA (100 cycles)

**QUALITY CONTROL / CALIBRATOR:**
- Control: ABX Minotrol CRP (3 levels)
- Calibrator: ABX Minocal CBC
- ABX CRP Calibrator

**POWER REQUIREMENTS:**
- Power supply from 100 Vac to 240 Vac +/- 10%
  50 Hz to 60 Hz.
- Power consumption Maximum 150 VA.

**OPERATING TEMPERATURE:**
- 18°C - 30°C (64°F-86°F) room temperature

**DIMENSIONS AND WEIGHT:**
- Dimensions: 11.8” D x 16.7” H x 15.7” W (31 x 41 x 40 cm)
- Weight: 40 lbs (18 kg)

**SPECIFICATIONS:**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Range</th>
<th>Visible range</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>WBC</td>
<td>0-80</td>
<td>80-99.9</td>
<td>10³/µL</td>
</tr>
<tr>
<td>RBC</td>
<td>0-7.5</td>
<td>7.5-8</td>
<td>10⁵/µL</td>
</tr>
<tr>
<td>HGB</td>
<td>0-23</td>
<td>23-25</td>
<td>g/dL</td>
</tr>
<tr>
<td>HCT</td>
<td>0-62.4</td>
<td>62.4-80.0</td>
<td>%</td>
</tr>
<tr>
<td>PLT</td>
<td>0-900</td>
<td>900-999</td>
<td>10³/µL</td>
</tr>
<tr>
<td>CRP Whole blood</td>
<td>0-20</td>
<td>20-23</td>
<td>mg/dL</td>
</tr>
<tr>
<td>CRP Plasma</td>
<td>0-15</td>
<td>15-18</td>
<td>mg/dL</td>
</tr>
</tbody>
</table>

(To measure up to 20.0 g/dL, Hct value of sample must be more than 23%.)

**CERTIFICATIONS:**
- CE 98/79/EC
- EN 61326 : 2001
- IEC 61000-3-2: 2000
- IEC 61000-3-3: 2001
- IEC 61010-1: 2001
- IEC 61010-2-81: 2001
- IEC 61010-2-101: 2002

**INFORMATION MANAGEMENT:**
- Operating System: Windows 7
- Hardware: Laptop Computer
- Interfaces: HL7 or ABX format
- Printer: Digital laser
- Dimensions: 10”D x 9”H x 13.4”W (25.4 x 22.9 x 34 cm)
  5 lbs (2.3 kg)